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SV2A antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12747

Product Information

Application	WB
Primary Accession	Q7L0J3
Other Accession	NM_014849, NP_055664
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Chicken, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82695

Additional Information

Gene ID	9900
Alias Symbol	KIAA0736, SV2
Other Names	Synaptic vesicle glycoprotein 2A, SV2A, KIAA0736
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SV2A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SV2A antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SV2A
Synonyms	KIAA0736
Function	Plays a role in the control of regulated secretion in neural and endocrine cells, enhancing selectively low-frequency neurotransmission. Positively regulates vesicle fusion by maintaining the readily releasable pool of secretory vesicles (By similarity).
Cellular Location	Presynapse {ECO:0000250|UniProtKB:Q9JIS5}. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:Q02563}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q02563}. Note=Enriched in chromaffin granules, not present in adrenal microsomes.

Associated with both insulin granules and synaptic-like microvesicles in insulin-secreting cells of the pancreas (By similarity). Colocalizes with ATP2B1 at photoreceptor synaptic terminals. {ECO:0000250|UniProtKB:Q02563, ECO:0000250|UniProtKB:Q9JIS5}

Images

WB Suggested Anti-SV2A Antibody Titration: 0.2-1 µg/ml
Positive Control: Human brain